

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	8	((("5329612") or ("5592590") or ("5897627") or ("5943667")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/23 15:51
L2	358	"new rules" same "existing rules"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/23 16:50
L3	58573	"system performance"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/23 16:16
L4	30	2 and 3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/23 16:16
L5	2	4 and timestamp	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/23 16:17
L6	7	eliminat\$6 near8 "existing rules"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/23 16:17
L7	33	eliminat\$6 near8 "new rules"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/23 16:24
L8	12	7 and @ad<"20011221"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/23 16:24
L9	31	remov\$3 near8 "existing rules"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/23 16:45

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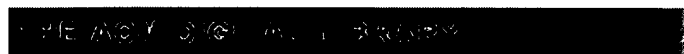
L10	81	remov\$3 near8 "new rules"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/23 16:45
L11	8	9 and 10 and encompass\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/23 16:45
L12	165	"new rules".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/23 16:50
L13	47	"existing rules".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/23 16:50
L14	21	13 and 12	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/23 16:51
L15	1	14 and timestamp.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/23 16:51
L16	11020	(707/100,101,104.1).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/23 17:03
L17	10	14 and administrat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/23 16:58
L18	941	(706/46,47).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/23 17:03

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L19	4161	(707/102).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/23 17:03
L20	14588	16 or 18 or 19	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/23 17:04
L21	28	12 and 20	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/23 17:04
L22	21	21 and @ad<"20011221"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/23 17:05


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 Terms used **system performance** **new rule** **timestamp** **existing rule**

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1 [Formal interpreters for diagram notations](#)



Luciano Baresi, Mauro Pezzè

 January 2005 **ACM Transactions on Software Engineering and Methodology (TOSEM)**, Volume 14 Issue 1

Publisher: ACM Press

 Full text available: pdf(834.85 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The article proposes an approach for defining extensible and flexible formal interpreters for diagram notations with significant dynamic semantics. More precisely, it addresses semi-formal diagram notations that have precisely-defined syntax, but informally defined (dynamic) semantics. These notations are often flexible to fit the different needs and expectations of users. Flexibility comes from the incompleteness or informality of the original definition and results in different interpretations ...

Keywords: Semi-formal notations, graph transformation, high-level Petri nets, semantics

2 [A tour on the TriGS active database system — architectue and implementation](#)



Gerti Kappel, Stefan Rausch-Schott, Werner Retschitzegger

 February 1998 **Proceedings of the 1998 ACM symposium on Applied Computing**

Publisher: ACM Press

 Full text available: pdf(955.78 KB) Additional Information: [full citation](#), [references](#), [index terms](#)

Keywords: ECA rules, active object-oriented database systems, composite events, optimization, parallel rule scheduling and processing

3 [The active database management system manifesto: a rulebase of ADBMS features](#)



Corporate Act-Net Consortium

 September 1996 **ACM SIGMOD Record**, Volume 25 Issue 3

Publisher: ACM Press

 Full text available: pdf(965.51 KB) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

Active database systems have been a hot research topic for quite some years now. However, while "active functionality" has been claimed for many systems, and notions such as "active objects" or "events" are used in many research areas (even beyond database technology), it is not yet clear which functionality a database management system must support in order to be legitimately considered as an active system. In this

paper, we attempt to clarify the notion ...

4 Session: Transformation of an application data layer



Will Loew-Blosser

November 2002 **OOPSLA 2002 Practitioners Reports**

Publisher: ACM Press

Full text available: pdf(867.96 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Changing a fundamental interface in a large application is typically considered impractical because of high risks and costs. This report demonstrates that with careful use of tools and testing, risks and costs can be significantly reduced. Normally, refactoring consists of a series of small safe steps that improve design while preserving behavior. Instead of performing many small transformations, we used the facilities in Brant and Roberts' Smalltalk Refactoring Browser to make more significant p ...

5 Session 4: Context awareness for group interaction support



Alois Ferscha, Clemens Holzmann, Stefan Oppl

October 2004 **Proceedings of the second international workshop on Mobility management & wireless access protocols**

Publisher: ACM Press

Full text available: pdf(363.86 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

In this paper, we present an implemented system for supporting group interaction in mobile distributed computing environments. First, an introduction to context computing and a motivation for using contextual information to facilitate group interaction is given. We then present the architecture of our system, which consists of two parts: a subsystem for location sensing that acquires information about the location of users as well as spatial proximities between them, and one for the actual conte ...

Keywords: context awareness, group interaction, location sensing, sensor fusion

6 A framework for representing navigational patterns as full temporal objects



Ajumobi Udechukwu, Ken Barker, Reda Alhajj

November 2004 **ACM SIGecom Exchanges**, Volume 5 Issue 2

Publisher: ACM Press

Full text available: pdf(87.04 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Navigational patterns have applications in several areas including: web personalization, recommendation, user-profiling and clustering, etc. Most existing works on navigational pattern-discovery give little consideration to the effects of time (or temporal trends) on navigational patterns. Some recent works have proposed frameworks for partial temporal representation of navigational patterns. This paper proposes a framework that models navigational patterns as full temporal objects that may be r ...

Keywords: algorithms, design, human factors, navigational pattern discovery, temporal representation, web usage mining

7 An infrastructure for context-awareness based on first order logic



Anand Ranganathan, Roy H. Campbell

December 2003 **Personal and Ubiquitous Computing**, Volume 7 Issue 6

Publisher: Springer-Verlag

Full text available: pdf(319.19 KB) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

Context simplifies and enriches human-human interaction. However, enhancing human-computer interaction through the use of context remains a difficult task. Applications in pervasive and mobile environments need to be context-aware so that they can adapt themselves to rapidly changing situations. One of the problems is that there is no common, reusable model for context used by these environments. In this paper, we

propose a model of context that is based on first order predicate calculus. The fi ...

Keywords: Context-awareness, Infrastructure, Logic

8 A holistic approach to service survivability



Angelos D. Keromytis, Janak Parekh, Philip N. Gross, Gail Kaiser, Vishal Misra, Jason Nieh, Dan Rubenstein, Sal Stolfo

October 2003 **Proceedings of the 2003 ACM workshop on Survivable and self-regenerative systems: in association with 10th ACM Conference on Computer and Communications Security**

Publisher: ACM Press

Full text available: pdf(1.58 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We present SABER (Survivability Architecture: Block, Evade, React), a proposed survivability architecture that blocks, evades and reacts to a variety of attacks by using several security and survivability mechanisms in an automated and coordinated fashion. Contrary to the ad hoc manner in which contemporary survivable systems are built-using isolated, independent security mechanisms such as firewalls, intrusion detection systems and software sandboxes-SABER integrates several different techno ...

Keywords: intrusion detection, overlay networks, survivability

9 A Complete and Decidable Logic for Resource-Bounded Agents



Natasha Alechina, Brian Logan, Mark Whitsey

July 2004 **Proceedings of the Third International Joint Conference on Autonomous Agents and Multiagent Systems - Volume 2**

Publisher: IEEE Computer Society

Full text available: pdf(206.68 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

We propose a context-logic style formalism, Timed Reasoning Logics (TRL), to describe resource-bounded reasoners who take time to derive consequences of their knowledge. The semantics of TRL is grounded in the agent's computation, allowing an unambiguous ascription of the set of formulas which the agent actually knows at time t. We show that TRL can capture various rule application and conflict resolution strategies that a rule-based agent may employ, and analyse two examples in detail: TRL(STEP ...

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